

WHAT IS CLAIMED IS:

1. A method of manufacturing a surface acoustic wave device, comprising a bonding step of juxtaposing a plurality of surface acoustic wave elements, each having a comb electrode and connection terminals, on a predetermined die attach surface, and joining or bonding the connection terminals of each of the plurality of surface acoustic wave elements to the die attach surface at predetermined positions through bonding members,

wherein the bonding step comprises a step of melting the bonding members by applying ultrasound waves to the bonding members, and

an ultrasound wave application direction in the bonding step is set to a direction substantially perpendicular to a direction in which the surface acoustic wave elements are juxtaposed.

2. A method of manufacturing according to claim 1, wherein a step of manufacturing a plurality of surface acoustic wave elements by forming comb electrodes on a plurality of piezoelectric substrates is provided before the bonding step.

3. A method of manufacturing according to claim 1, wherein the bonding step comprises a step of applying ultrasound waves to the bonding members while the surface acoustic wave element is held/chucked.

4. A surface acoustic wave device being

manufactured by the method of manufacturing defined in claim 1.

5        5. A surface acoustic wave device comprising a plurality of surface acoustic wave elements, each having a comb electrode formed on a piezoelectric substrate and connection terminals connected to the comb electrode; and a package which has a die attach surface to which each of the connection terminals is joined or bonded through a bonding member, and in which said plurality of surface acoustic wave elements are housed side by side,

10        10        wherein the bonding member has a shape elongated in a direction substantially perpendicular to a direction in which said surface acoustic wave elements are juxtaposed.

15        15        6. A surface acoustic wave device according to claim 5, wherein said plurality of surface acoustic wave elements include a surface acoustic wave element having a frequency characteristic different from that of other surface acoustic wave elements.

20        20        7. A surface acoustic wave device according to claim 5, wherein the connection terminal is formed into an elongated shape which is shorter along a direction in which said surface acoustic wave elements are juxtaposed.

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